BRUHAT BANGALORE MAHANAGARA PALIKE

Detailed Estimate for :- Providing children equipments and other works at Coffee Board Layout park, in Ward No.7.

Estimated cost Rs.20.00 Lakhs

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
1	KSRB 2-2.1 : Earthwork in surface excavation in oridinary soil for leveling and lowering he ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavted surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) /2.3.1 (P-5, I-2.1)								
	Levelling CP area	1	16.00	7.50	0.40	48.00			
						48.00	146.88	Cum	7,050.00
	Basic Rate	136.00							
	Area Weightage @ 8%	10.88							
	Total	146.88							
2	Lead for Disposal of Debris/earth shall be payable at garage rates by Mechanical means including loading and unloading from 14Kms to 15Kms (.No.124.I.No.Conveying)								
	Qty item no. 1					48.00			
						48.00	109.30	Cum	5,246.00
	Loading and unloading I.No.17.1	62.20							
	for Haulage(surface road Rs. 2.0 T/Km)								
	(density of debris 1.30 t/cum)								
	for 15kms =15x2x1.30	39.00							
		101.20							
	Area Weightage @ 8%	8.10							
	Total	109.30							
3	2-Seater Swing : This Swing consists of 2 Nos, seat sof solid fibbed FP of size 480 mm x 180 mm x 3.5 mm supported by MS chains (*heavy) length 1.8 mtrs, each seat is suspended by 2 lines of chains. The chains are supported by circular housing with bearing from which the chain in suspended. The main beam is of 50mm MS 'a' class pipe. Size of MS chain 30mm x 20mm x 5mm thick, The 2 Nos inverted 'V' beams are of 50mm 'A' Class pipes secured at the top the main beam by means of CI castings. (Heavy duty for elders) All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide.								
		2				2.00	46000	set	92,000.00
4	Providing, fabricating and fixing of Spiral Climber of height no less than 10 ft made out of 25mm dia MS pipe with Aluminium chequered plate platform of size 3'x3 ft with 4 legs made out of 75 mm dia G.I. pipes fixed cement concrete 1:2:4. The platforms are to covered with pyramid shaped RPF roof. The platform is to be fitted with Single Lane slide made up of high quality FRP the slide is to fixed at a height of 9 ft and runs for a length of not less than 20 ft the slide should be supported at regular intervals of 4 ft using M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing platforms should be placed at approximately 9 ft from ground level. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. the work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work (All FRP items are gelwater finish or stoving paint in ovens)								

		1	180000.00	set	180,000.00
5	Providing, fabricating and fixing play equipments consisting of the platform with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3 ft fixed at 7 ft height from ground level with 4 legs made out of 75mm dia G.I. Pipes fixed cement concrete 1:2:4. The platform are to be covered with pyramid shaped FRP roof, the slide should be supported at regular intervals of 4 ft using M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing. The play equipment is to be fitted with Double seated swing for kids and Aqua bowl slide made up of high quality FRP the slide is to fixed at a height of ft and runs for a length of not less than 12 ft. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work (All FRP items are gelwater finish or stoving paint in ovens)				
		1	220000.00	set	220,000.00
6	Providing, fabricating and fixing Special play equipments consisting of the platform with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3 ft fixed at 5 ft height from ground level with 4 legs made out of 65mm dia G.I. 'B' Pipes fixed cement concrete 1:2:4. The platform are to be covered with pyramid shaped FRP roof, The platofm is to be fitted with Monkey climber for kids and Roller slide (Moulded plastic rollers) fixed at a height of 5 ft and runs for a length of not less than 12 ft, the slide should be supported at regular intervals of 6 ft using M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work (All FRP items are gelwater finish or stoving paint in ovens)				
		1	180000.00	set	180,000.00
7	Providing, fabricating and fixing Multiplay Special slider systems consisting of the platform with 25mm dia MS pipe & Aluminium chequered plates of size 3'x3 ft fixed at 7 ft height from ground level with 4 legs made out of 65mm dia G.I. Pipes fixed cement concrete 1:2:4. The platform is to be fitted with FRP Wave slide, spiral slide and standard slide with vertical ladder on one side each with G.I. sheet steps of tred4" 25mm dia MS pipes with suitable hand rails fixed at a height of 5ft and runs for a length of not less 12 ft. The platforms are to be covered with pyramid shaped FRP roof, the slide should be supported at regular intevals of 4 ft using M.S. pipes support powder coated, fine quality FRP with suitable design and as per drawing. Moulded FRP slides are non-corrossive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work (All FRP items are gelwater finish or stoving paint in ovens)				
		1	520000.00	set	520,000.00
8	Providing and fixing children play bridge with M.S, perforated tunner, wave bridge, Arch bridge and hanging bridge made out of MS pipes and chequred plates uns for a height 11ft to 5ft. The work should be xecuted as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (all swings chains are rubber coated and all 'S' hooks are stainless steel)				

						1	120000.00	set	120,000.00
9	Providing Children Play Standrd Sea Saw Seater Equipment : This euqipment is made up of main beam 50mm MS pipe 'A' class of length .98 mtr. With two handles welded at the ends as a hand are made of 20mm 'A' class pipe. The main beam is pivoted to the bottom supports of 40mm MS pipes by bush bearing clamped by pivot joints which swivel over 28mm dia steel shaft, which gets installed in the ground by means of cocrete, 2 Nos. seats are made of 250 mm x 200 mm x 18 SWG MS sheets with T hand rest at the front. Air pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2;4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Engineer in charge of the work								
	\	1				1.00			
						1.00	28000.00	No.	28,000.00
10	Providing, fabricating and fixing children play equipments consisting of the platform, with 65mm dia MS pipe & Aluminium chequered plates of size 3'x3 ft & 3 ft height from ground level with 4 legs made out of 76mm dia G.I. pipes fixed cement concrete 1:2:4. The platforms are to be covered with pyramid shapes FRP roof, fine quality FRP with suitable design and as per drawing. The platform is to be fitted with double twin wave slide for kids made up of high quality RFP material and also high quality plastic rope climber is to fixed at a height of 3 ft and runs for a length of not less than 5 ft. Moulded FRP slides are non corrosive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions f the engineer in charge with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work (All RFP items are gel water finish or stoving paint in ovens)								
						1	145000.00	set	145,000.00
11	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as specification P. No. 6 I. No. 2.13								
		1	15.00	7.00	0.30	31.50			
					Total	31.50	1966.68	Cum	61,950.00
	Basic Rate	1821.00							
	Area Weightage @ 8%	145.68							
	Total	1966.68							
12	Providing and fixing stone PARAGOLA 20cm x 20 thick granite pargolas fully polishind on all four sides, machine cut as per the deisign. The vertical pillers are to be fixed in cement concrete 1;2:4 the work includes cost of all materials, labour equipments, machineries, lead & lifts loading and unloading etc., complete and execute the work as per the instructions, directions of the Engineer Engineer								
		1	40.00			40.00			
						40.00	4000.00	rmt	160000.00
13	Providing and fixing Ornamental Delhi Benches as per specifiction, design, drawing and as per the direction of Engineer incharge of work								
						11.00	8500.00	Nos	93,500

16	Providing and fixing dust bins as per designs, drawing specification and direction of Engineer in charge of works	1.00	4800.00	Nos	4,800
					1,818,080.04
				KRIDL Charges 10%	181,808.00
				Miscellaneous	111.96
				GRAND TOTAL Rs.	**2,000,000.00**

Certificate

1. The work spot has been inspected and the work is found necessary
2. This estimate is prepared as per C.S.R. of 2014-15
3. This provisions were made in this estimate are necessary and adequate
4. This work comes under B.B.M.P limits

Asst. Engineer
BBMP

Asst. Executive Engineer
BBMP

Executive Engineer (P)Yelahanka
BBMP

Administrative Sanction for Rs. Administrative Approval Accorded for Rs 20.00 lakhs is accorded under head P2178 registered as CE No. 97 Dt: 19.01.15 Subject to Conditions contained in enclosed memo No. ...../.....Dr.

AE/JE TA SE (BTP) CE (BTP)

Technical sanction for Rs. 20.00 L (Rupees Twenty Lakhs only) under P2178 registered as S.E. (BTP) Subject to conditions contained in enclosed memo No. 04/14-15 Dated 18-3-2015

TA EE (BTP) (Retd)

18,17,546